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OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 17:00:49 ; Search time 193.217 Seconds  
(without alignments)  
10829.323 Million cell updates/sec

Title: US-09-497-967-5  
Perfect score: 1404  
Sequence: 1 atgaagaacaacatcctggt.....tgatctttactactgctg 1404

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2773584 seqs, 745158349 residues

Total number of hits satisfying chosen parameters: 5547168

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_NA\_New: \*  
1: /cgn2\_6/ptodata/1/pna/PCT\_NEW\_COMB.seq: \*  
2: /cgn2\_6/ptodata/1/pna/US06\_NEW\_COMB.seq: \*  
3: /cgn2\_6/ptodata/1/pna/US07\_NEW\_COMB.seq: \*  
4: /cgn2\_6/ptodata/1/pna/US08\_NEW\_COMB.seq: \*  
5: /cgn2\_6/ptodata/1/pna/US09\_NEW\_COMB.seq: \*  
6: /cgn2\_6/ptodata/1/pna/US10\_NEW\_COMB.seq: \*  
7: /cgn2\_6/ptodata/1/pna/US60\_NEW\_COMB.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query No.	Score	Match	Length	DB ID	Description
C 1	35.8	2.5	2017	6	US-10-293-865-17	Sequence 17, Appl
C 2	35.4	2.5	4863	1	PCT-IL02-00904-30	Sequence 30, Appl
C 3	34.4	2.5	584	5	US-09-531-113-11107	Sequence 11107, A
C 4	34.4	2.5	2110	6	US-10-225-567A-505	Sequence 505, Appl
C 5	34.4	2.5	37716	1	PCT-US02-32727-48	Sequence 48, Appl
C 6	34.4	2.5	37716	6	US-10-057-498-48	Sequence 48, Appl
C 7	34	2.4	555	6	US-10-144-771-26535	Sequence 26535, A
C 8	34	2.4	1215	1	PCT-US02-40225-2140	Sequence 2140, Ap
C 9	34	2.4	1215	6	US-10-320-797-2140	Sequence 2140, Ap
C 10	33.8	2.4	6692	6	US-10-144-771-38397	Sequence 38397, A
C 11	33.6	2.4	849	5	US-09-724-676-19769	Sequence 19769, A
C 12	33.6	2.4	849	5	US-09-724-676A-19769	Sequence 19769, A
C 13	33.6	2.4	2161	5	US-09-620-312D-1053	Sequence 1053, Ap
C 14	33.6	2.4	2194	1	PCT-US02-40718-11	Sequence 11, Appl
C 15	33.6	2.4	2230	5	US-09-620-312D-1052	Sequence 1052, Ap
C 16	33.2	2.4	1009	6	US-10-144-779-651	Sequence 651, Appl
C 17	33.2	2.4	1077	6	US-10-144-771-43535	Sequence 43535, A
C 18	33.2	2.4	1234	6	US-10-144-771-1344	Sequence 1344, Ap
C 19	33.2	2.4	3008	5	US-10-144-779-75	Sequence 75, Appl
C 20	32.8	2.3	256	5	US-09-531-113-26707	Sequence 26707, A
C 21	32.8	2.3	495	5	US-09-531-113-3673	Sequence 3673, Ap
C 22	32.8	2.3	500	5	US-09-531-113-5605	Sequence 5605, Ap
C 23	32.8	2.3	1082	6	US-10-144-771-14722	Sequence 14722, A
C 24	32.8	2.3	3912	7	US-10-144-771-4901	Sequence 4901, Ap
C 25	32.6	2.3	537	7	US-60-436-643-2181	Sequence 2181, Ap
C 26	32.6	2.3	3606	6	US-10-144-771-41270	Sequence 41270, A

C 27	32.4	2.3	17014	6	US-10-144-771-30161	Sequence 30161, A
C 28	32.2	2.3	251	5	US-09-531-113-28384	Sequence 28384, A
C 29	32.2	2.3	5271	5	US-09-949-004-511	Sequence 511, App
C 30	32.2	2.3	6315	5	US-09-949-004-515	Sequence 615, App
C 31	32.2	2.3	6358	5	US-09-949-004-616	Sequence 616, App
C 32	32.2	2.3	21003	6	US-10-017-161-1039	Sequence 1039, Ap
C 33	32	2.3	279	1	PCT-US02-40891-1483	Sequence 1483, Ap
C 34	32	2.3	432	5	US-09-513-999C-1867	Sequence 1867, Ap
C 35	32	2.3	1070	6	US-10-342-887-1353	Sequence 1353, Ap
C 36	32	2.3	1109	5	US-09-620-312D-775	Sequence 775, App
C 37	32	2.3	21719	1	PCT-US02-32727-63	Sequence 63, Appl
C 38	32	2.3	21719	6	US-10-057-498-63	Sequence 63, Appl
C 39	31.8	2.3	250	5	US-09-531-113-22295	Sequence 22295, A
C 40	31.8	2.3	256	5	US-09-531-113-22293	Sequence 22293, A
C 41	31.8	2.3	995	6	US-10-316-754-8	Sequence 8, Appl1
C 42	31.8	2.3	1048	6	US-10-144-771-14346	Sequence 14346, A
C 43	31.6	2.3	5824	6	US-10-144-771-17297	Sequence 17297, A
C 44	31.6	2.3	1077	6	US-10-144-771-43209	Sequence 43209, A
C 45	31.6	2.3	1738	6	US-10-348-119-144	Sequence 144, App

ALIGNMENTS

RESULT 1  
US-10-293-865-17/c  
; Sequence 17, Application US/10293865  
; GENERAL INFORMATION:  
; APPLICANT: Nikolau, Basil J  
; APPLICANT: Wurtele, Eve S  
; APPLICANT: Oliver, David J  
; APPLICANT: Behal, Robert  
; APPLICANT: Schnable, Patrick S  
; APPLICANT: Ke, Jinshan  
; APPLICANT: Allred, Jerry L  
; APPLICANT: Johnson, Carolyn C  
; APPLICANT: Fatland, Beth  
; APPLICANT: Lutziger, Isabelle  
; APPLICANT: Wen, Tsui-Jung  
; TITLE OF INVENTION: Materials and Methods for the Alteration of Enzyme and  
; FILE REFERENCE: 217113  
; CURRENT APPLICATION NUMBER: US/10/293,865  
; CURRENT FILING DATE: 2002-11-13  
; PRIOR APPLICATION NUMBER: US 09/344,882  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: US 60/090,717  
; PRIOR FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 17  
; LENGTH: 2017  
; TYPE: DNA  
; ORGANISM: Arabidopsis Thaliana  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1)..(1000)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1002)..(1508)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1510)..(1519)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1521)..(1531)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1533)..(2017)  
; US-10-293-865-17  
Query Match 2.5%; Score 35.8; DB 6; Length 2017;  
Best Local Similarity 54.1%; Pred. No. 3.6;



[illegible]

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RESULT 5
PCT-US02-32727-48/c
: Sequence 48, Application PC/TUS0232727
: GENERAL INFORMATION:
: APPLICANT: Mitcham, Jennifer
: APPLICANT: Skelky, Yasir
: APPLICANT: Persing, David
: APPLICANT: Bhadia, Ajay
: APPLICANT: Malsonneuve, Jean Francois
: APPLICANT: Zhang, Yanni
: APPLICANT: Wang, Siqiang
: APPLICANT: Jen, Shyan
: APPLICANT: Lodes, Michael
: APPLICANT: Benson, Darin
: APPLICANT: Jones, Robert
: APPLICANT: Carter, Darrick
: APPLICANT: Barth, Brenda
: APPLICANT: Douglass, John
: TITLE OF INVENTION: Compositions and Methods
: FILE REFERENCE: 210121.514C1
: CURRENT APPLICATION NUMBER: PCT/US02/32727
: CURRENT FILING DATE: 2002-10-11
: NUMBER OF SEQ ID NOS: 30992
: SEQ ID NO 48
: LENGTH: 37716
: TYPE: DNA
: ORGANISM: Propionibacterium acnes
PCT-US02-32727-48

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[illegible]

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RESULT 6
US-10-057-498-48/c
; Sequence 48, Application US/10057498
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer
; APPLICANT: Skeiky, Yasir
; APPLICANT: Persing, David
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: 210121.514
; CURRENT APPLICATION NUMBER: US/10/057,498
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 29212
; SEQ ID NO 48
; LENGTH: 37716
; TYPE: DNA
; ORGANISM: Propionibacterium acnes
US-10-057-498-48

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[illegible]

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RESULT 7
US-10-144-771-26535
: Sequence 26535, Application US/10144771
: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig
: TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
: FILE REFERENCE: CL001321
: CURRENT APPLICATION NUMBER: US/10/144,771
: CURRENT FILING DATE: 2002-05-15
: NUMBER OF SEQ ID NOS: 47235
: SEQ ID NO 26535
: LENGTH: 555
: TYPE: DNA
: ORGANISM: HUMAN
US-10-144-771-26535

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Query Match 2.4%; Score 34; DB 6; Length 555;  
Best Local Similarity 59.2%; Pred. No. 6.8;  
Matches 58; Conservative 0; Mismatches 40; Indels

Qy	1108	GGAACCCCTACCTGATCGCTCAGTGTGCTCTGGAGTGTCTCTGTGGAACCGTCTGACC	1167
Db	54	GGAACTGGTTCATCTGGTGATTCATCTCAGTGTCTGGCAACCAATTCAGGAACCAAGGCTTAGC	113
Qy	1168	GAGGAACCAACCTCTACCTACAAGCAGGCTGCTCTGA	1205
Db	114	TAAGGAACCATCACCAGTTACACATCAGTTCTCTCGA	151

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RESULT 8
PCT-US02-40225-2140
; Sequence 2140, Application PC/TUS0240225
; GENERAL INFORMATION:
; APPLICANT: Elitra Pharmaceuticals, Inc.
; APPLICANT: Etoshkin, Alexey M.
; APPLICANT: Zamudio, Carlos
; TITLE OF INVENTION: IDENTIFICATION OF ESSE
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 10182-021-228
; CURRENT APPLICATION NUMBER: PCT/US02/40225
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: 60/341,261
; PRIOR FILING DATE: 2001-12-17
; NUMBER OF SEQ ID NOS: 3361
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2140
; LENGTH: 1215
; TYPE: DNA
; ORGANISM: Cryptococcus neoformans
PCT-US02-40225-2140

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Query Match 2.4%; Score 34; DB 1; Length 1215;  
Best Local Similarity 57.5%;  
Matches 61; Conservative 0; Mismatches 45; Indels



```

; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yundong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; PRIOR FILING DATE: 2000-07-19
; PRIOR FILING DATE: 2000-04-25
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 1053
; LENGTH: 2161
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (99)..(1907)
; US-09-620-312D-1053

Query Match          2.4%; Score 33.6; DB 5; Length 2161;
Best Local Similarity 66.7%; Pred. No. 17;
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 113 TGGGAACCCCTGCTAACTGTGTGAAGTGTGACAGAACTTCTACTACAAACACGCTGCTG 172
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 568 TGGGACTCTCTGCTCCCTTTGTGGCAGGCCAGATGGCTGCTGCATGAACAACACAGCTG 627

QY 173 CTTTCGTGCGCTG 184
      ||| |||||
Db 628 TCTTCTTGCCAG 639

RESULT 14
PCT-US02-40718-11
; Sequence 11, Application PC/TUS0240718
; GENERAL INFORMATION:
; APPLICANT: KOH, Sang Seok
; APPLICANT: LIU, Qing
; APPLICANT: CHUNG, Hyun-Ho
; APPLICANT: ZENG, Wen
; APPLICANT: LEE, Bogman
; APPLICANT: YERRAMILLI, Subrahmanyam
; APPLICANT: SONG, Si Young
; APPLICANT: Gene Logic, Inc.
; APPLICANT: LG Chem Ltd.
; TITLE OF INVENTION: GENE EXPRESSION PROFILES IN LIVER DISEASE
; FILE REFERENCE: 44921-5109-WO
; CURRENT APPLICATION NUMBER: PCT/US02/40718
; CURRENT FILING DATE: 2002-12-20
; PRIOR FILING DATE: 2001-12-21
; PRIOR FILING DATE: 2001-12-21
; PRIOR FILING DATE: 2001-12-31
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 2194
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. Z48475
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PCT-US02-40718-11

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Query Match          2.4%; Score 33.6; DB 1; Length 2194;
Best Local Similarity 66.7%; Pred. No. 17;
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

.. QY 113 TGGGAACCCCTGCTAACTGTGTGAAGTGTGACAGAACTTCTACTACAAACACGCTGCTG 172
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 602 TGGGACTCTCTGCTCCCTTTGTGGCAGGCCAGATGGCTGCTGCATGAACAACACAGCTG 661

QY 173 CTTTCGTGCGCTG 184
      ||| |||||
Db 662 TCTTCTTGCCAG 673
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RESULT 15

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US-09-620-312D-1052
; Sequence 1052, Application US/09620312D
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yundong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR FILING DATE: 2000-04-25
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 1052
; LENGTH: 2230
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (99)..(1976)
; US-09-620-312D-1052
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Query Match          2.4%; Score 33.6; DB 5; Length 2230;
Best Local Similarity 66.7%; Pred. No. 17;
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
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QY 113 TGGGAACCCCTGCTAACTGTGTGAAGTGTGACAGAACTTCTACTACAAACACGCTGCTG 172
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 637 TGGGACTCTCTGCTCCCTTTGTGGCAGGCCAGATGGCTGCTGCATGAACAACACAGCTG 696

QY 173 CTTTCGTGCGCTG 184
      ||| |||||
Db 697 TCTTCTTGCCAG 708
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Search completed: February 17, 2003, 01:54:45  
Job time : 301.217 secs

